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[The Linux Printing Usage HOWTO - Komarinski \(1998\)](#) (Correct)

Windows Printers ffl Changing max size of print files v1.11 ffl new maintainer! ffl Added lpc info
 -lpr The man pages contain pre-formatted troff **data**, so we have to strip out any highlighting,
limestone.uoregon.edu/woven/HOWTO/ps/Printing-Usage-HOWTO.ps.gz

[A Generic Virus Scanner in C++ - Kumar, Spafford \(1992\)](#) (Correct)

scanner in C with no inherent limitations on the **file** systems, **file** types, or host architectures that
 viruses pose an increasing risk to computer **data** integrity. They cause loss of valuable **data** and
www.ce.chalmers.se/~stefanp/Security/virus-scan.PS.gz

[HiRel: Hybrid Automated Reliability Predictor.. - Rothmann, Dugan.. \(1994\)](#) (Correct)

unreliability. Primitive A primitive is any screen **image** that is an entity that can be manipulated without
 Chapter 2-Creation of **Files** .

techreports.larc.nasa.gov/pub/techreports/larc/94/tp3452Vol2.ps.Z

[Algorithmic Influences on I/O Access Patterns and.. - Smirni, Elford..](#) (Correct)

Influences on I/O Access Patterns and Parallel **File** System Performance Evgenia Smirni C.E. Elford
 domains where manipulating large volumes of **data** is a necessity, scalable input /output (I/O) is
www.cs.wm.edu/~esmirni/docs/icpds97.ps.gz

[A Unix Network Protocol Security Study: Network Information.. - Hess, Safford, Pooch](#) (Correct) (9 citations)

on a NIS server of the major configuration **files** required to setup a Unix machine for a particular
 Call (RPC) protocol which uses the External **Data** Representation (XDR) standard. Below this level
ftp.cso.uiuc.edu/pub/security/coast/unix/tiger/TAMU/NIS_Paper.ps.gz

[The Tiger Video Fileserver - Bolosky, Barrera, III, Draves.. \(1996\)](#) (Correct) (57 citations)

The Tiger Video **Fileserver** William J. Bolosky, Joseph S. Barrera,
 fault-tolerant real-time **fileserver**. It provides **data** streams at a constant, guaranteed rate to a large
www.research.microsoft.com/~mbj/papers/tr-96-09.ps

[CL Programmer's Manual - Elwood Downey](#) (Correct)

name struct structure gcur graphics cursor incur **image** cursor The codes b, i and r indicate the usual
 Language version 1.0. CL tasks, packages, parameter **files**, modes, expressions, statements, abbreviations,
ftp.noao.edu/iraf/iraf/docs/clman.ps.Z

[Why Use a Fishing Line When You Have a Net? An Adaptive.. - Cooperstock, Kotsopoulos \(1996\)](#) (Correct)
 (3 citations)

system upgrades and the increasingly common **image** and MPEG **files**, to all group members reliably,
 of **data** to all hosts. Our results demonstrate that **file**-distribution programs based on our protocol can
 Line When You Have a Net? An Adaptive Multicast **Data** Distribution Protocol Jeremy R. Cooperstock and
www.ecf.toronto.edu/afdp/usenix96.ps

[Context Construction as Subtask of Dialogue Processing - the.. - Maier \(1996\)](#) (Correct) (4 citations)

In German. 10]Susann LuperFoy. Implementing **File** Change Semantics for SpokenLanguage Dialogue
 of processing. The statistics module is based on **data** automatically derived from a corpus of dialogues
 figure 1 we show only the abstract dialogue act **categories** domain-dependent dialogue acts concern e.g.
www.ims.uni-stuttgart.de/projekte/verbmobil/vm-reports/report-134-96.ps.gz

[A Multistrategy Approach To Theory Refinement - Mooney, Ourston \(1993\)](#) (Correct) (17 citations)

revised theory will be consistent with the training **data**. Either has successfully revised two actual
 Given: An imperfect domain theory for a set of **categories** and a set of classified examples each described

examples to one of a finite set of predefined **categories**. 1. cup /stable liftable open-vessel 2. ftp.cs.utexas.edu/pub/mooney/papers/either-bkchapter-94.ps.Z

Verb Second by Lexical Rule or by Underspecification - Frank (1994) (Correct) (7 citations)
V2 phenomenon that covers a comprehensive set of **data** which any analysis of German sentence structure Verb Movement by Lexical Rules and Functional **Categories** :36 3.2.1 A Theory of
: 36 3.2.1 A Theory of Functional **Categories** in HPSG :37 3.2.2 Verb
ftp.ims.uni-stuttgart.de/pub/papers/anette/v2-usp.ps.gz

Using View-Based Models to Formalize Architecture Description - Lichtner, Alencar, Cowan (1998) (Correct)
an architectural specification are converted into a **data** representation based on the formal model. Once community's lack of agreement over exactly which **categories** of information are required in an architectural present 1 a view is a subset of the semantic **categories** and features supported by an ADL which can be
csg.uwaterloo.ca/pub/kjl/isaw3.ps

Liminf convergence in Ω -Gamma33432/-630 - Kim Ritter (Correct)
a function is continuous if and only if the inverse **image** of any open is open. This definition is naturally as the (even more general) theory of enriched **categories** (Eilenberg & Kelly 66) At the core of our then the category of Ω -Gamma/3249 hed **categories** and Ω -Gamma/44027/is precisely the
www.cl.cam.ac.uk/ftp/papers/kw10009/kw10009-liminfmain.ps.gz

Coding Dialogs with the DAMSL Annotation Scheme - Core, Allen (1997) (Correct) (18 citations)
domains, however, would allow researchers to share **data** in a way that would not be possible if everyone Communicative Functions while speech act **categories** not related to responses will be called Forward Communicative Functions include the speech act **categories**: Representatives, Directives, and Commissives.
hypatia.dcs.qmw.ac.uk/data/edu/cs.rochester.edu/ai/97.Core-Allen.AAAL.ps.gz

Functorial And Algebraic Properties Of Brown's P Functor - Hernández-Paricio (1995) (Correct)
detailed information on submission format and style **files** from the journal's WWW server at URL Theory and Applications of **Categories**, Vol. 1, No. 2, 1995, pp. 10-53. FUNCTORIAL
in these cases, the towers of objects in the **categories** of sets, pointed sets, groups and abelian
emis.csi.it/journals/TAC/volumes/1995/n2/v1n2.ps.Z

Linear Continuations - Filinski (1992) (Correct) (27 citations)
language [Fil89b] obtained as the exact mirror **image** of CBV. Here, an expression $E : B$ with free the program can explicitly state that a piece of **data** will always be accessible through a single linear control in the setting of linear **categories**, a close relative of the ubiquitous cartesian
www.cs.cmu.edu/afs/cs.cmu.edu/user/andrzej/pub/LC.ps.Z

Mobile Robot Localization with an Artificial Neural Network - Racz, Dubrawski (Correct)
the matching some detected features of the raster **images** [6] or extracted line segments [15] rather than solution. The system, trained on a real world **data** of a door neighborhood region reveals satisfactory may fit in and modify shapes of existing **categories**, if they match closely, or require establishing
www.cs.cmu.edu/afs/cs.cmu.edu/user/awd/www/irs94_racz_dubrawski.ps.gz

Finite State Machines from Feature Grammars - Black (1989) (Correct) (2 citations)
consists of a mapping of atomic symbols to **categories**. In actual fact within our system these atoms fast access. This consists of the conversion of **categories** in the grammar and lexicon into an internal in the remainder ffl a list of remaining **categories** -these are the **categories** (preterminal or
www.cstr.ed.ac.uk/publications/publications/1989/Black_1989_a.ps

Feature Selection and Feature Extraction for Text Categorization - Lewis (1992) (Correct) (24 citations)
on the Reuters and MUC-3 text categorization **data** sets. Good categorization performance was achieved of natural language texts to predefined **categories** based on their content-is a task of method capable of handing multiple, overlapping **categories**. 2. **Data** Sets and Tasks Our first **data** set
www.research.att.com/~lewis/papers/lewis92e.ps

Incorporating Syntactic Constraints in Recognizing.. - Srihari, Baltus (1993) (Correct) (8 citations)
example, consider Fig. 1 which shows the digitized **image** of the sentence "He will call you when he is Both methods are based on syntactic **categories** (tags) associated with words. The first is a word confusion between very different syntactic **categories** (e.g.as, an)The HWR problem is further

www.cedar.buffalo.edu/~rohini/Postscript/ijcai93.ps.Z

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[Text Chunking For Prosodic Phrasing In French - de Mareuil, d'Alessandro](#) (Correct)

possible by the fact that considerable amount of **data** is now available (e.g. 11, 16, 4, 19) We rather is defined in terms of sets of possible **categories**. The syntax-prosody interface is presented: the [tlp.limsi.fr/public/tts98BdM.ps.Z](http://limsi.fr/public/tts98BdM.ps.Z)

[Appendix B - Index To](#) (Correct)

colour information is altered: 1) From the image **data** to the monitor (as monitor colours differ)2) pic2dat -convert RADIANCE picture into **data files** trans -calculate transmission value from Values Into Percentages. Makefile -Standard Make File For Radiance Image Generation Eagle Macros List (puffin.curtin.edu.au/~crones/radiance/thesis92.ps.Z

[Trace2au - Audio Monitoring Tools for Parallel Programs - Peterschmitt, Tourancheau \(1993\)](#) (Correct)

with two major problems: gathering the monitoring **data** and using it to understand the behavior of the relevant information from the monitoring trace **files**. We therefore suppose that the monitoring **data** is without having to store it in a temporary **file**. Yet, the use of sound is new in the sense that www.netlib.org/tennessee/ut-cs-93-208.ps

[A Visual Environment for Designing and Simulating Execution.. - Norton, Glinert \(1990\)](#) (Correct) (2 citations)

processes. Computations are specified as **data** flow graphs (DFGs) whose nodes represent utilities include options to select various **data files** for PE queue loading, for graphical specification as unstructured streams of **data** from user defined **files**. System utilities acquire **file** names ftp.cs.rpi.edu/pub/norton/VL90.ps

[A Graphical Programming Environment for Message Passing.. - Kacsuk, Dózsa.. \(1997\)](#) (Correct) (1 citation)

paradigm closely corresponds the way in which **data** are actually moved around in a distributed memory and post-mortem visualisation of the trace **file**. GRADE currently consists of the following tools [ffl Tape/PVM: A monitoring tool to generate a trace file during execution of a PVM application \[9\]](#) ftp.lpd.sztaki.hu/pub/lpd/publications/GRADE/grade-pdse97.ps.gz

[Voyeur: Applied graph browsing for test and diagnosis - Russack \(1996\)](#) (Correct)

: 19 3.3 **Data Flow** : sctest.cse.ucsc.edu/papers/1996/russack.ms.ps

[Specifications of EDPEPPS Toolset Prototype \(DRAFT\) - Delaitre Vekariya](#) (Correct)

Preprocessor Tape/pvm Trace File Pvmgl Tape/pvm Database _t.c Figure 1: The Edpepps Environment. The Engine Pvmvis Pvmgraph Simpvm Translator Into File Numbers Maps File Names User Pvmgraph Simpvm Translator Into File Numbers Maps File Names User Visualisation/animation Real www.cpc.wmin.ac.uk/~edpepps/reports/edpepps20.ps.gz

[For Class and Package Writers - Copyright The](#) (Correct)

. 11 3.4 A minimal class **file** .
 . 16 4.2 Loading **files** .
 .21 4.8 Safe **file** commands .
ftp.univ-rennes1.fr/pub/GUTenberg/doc/latex2e/clsguide.ps.gz

[Exploiting In-Kernel Data Paths to Improve I/O Throughput and CPU.. - Fall \(1993\)](#) (Correct) (27 citations)

Exploiting In-Kernel **Data** Paths to Improve I/O Throughput and CPU intervention to and from I/O objects specified by **file** descriptors. Performance measurements indicate of large volumes of **data** between devices or **files** in a timely fashion with minimal intermediate www-cse.ucsd.edu/groups/csl/pubs/conf/usenix93.ps

Interface Issues in Visual Shell Programming - Modugno (1995) (Correct)

or to access easily the functionality of complex **data** manipulating utilities such as the Unix utilities Finder, is a direct manipulation interface to a **file** system. Although such systems are easy to use, programs by manipulating representations of **file** system objects, such as **files** and folders, www.cs.cmu.edu/afs/cs.cmu.edu/project/garnet/www/pbd-group/papers/voop.ps

GTU - A workbench for the development of natural language.. - Volk, Jung, Richarz (1995) (Correct)

Prolog allows us to organize our test suite in a **database** format. Prolog has proven a successful boxes are generated during runtime. While the rule **files** (lexicon interface, syntax, and semantic rules) dedicated windows: ffl to work on multiple grammar **files**, ffl to add sentences to multiple test suite www.ifi.unizh.ch/CL/volk/papers/PractAppIProlog.ps.gz

QUEST User Manual - Version Yu-Shan (Correct)

1 2 Distribution **files** 2 3 Input **files** 2 3.1 **Data file** .

9, 1999 Contents 1 Introduction 1 2 Distribution **files** 2 3 Input **files** 2 3.1 **Data file** .

1 Introduction 1 2 Distribution **files** 2 3 Input **files** 2 3.1 **Data file** .

www.stat.wisc.edu/p/sta/ftp/pub/loh/treeprogs/quest1.7/questman.ps

User-Level Truffles: Final Report - Ko, Cook (1997) (Correct)

administrative domains or mobile users to share **data** in a transparent and secure fashion. ULT is ftp.cs.ucla.edu/pub/rumor/ULT/ultfinal.ps

A Framework for Deterministically Interleaved Interactive.. - Achten, Plasmeijer (1994) (Correct)

communication: asynchronous message passing, and **data** sharing. Both forms of communication are , enables programmers to have direct access to the **file** system, and to write complex Graphical User of a specific part of the real world (such as the **file** system, individual **files**, menus, windows, ftp.cs.kun.nl/pub/Clean/papers/interleavedIO.ps.Z

The Design and Implementation of a Log-Structured File System - Rosenblum, Ousterhout (1991) (Correct) (354 citations)

In contrast, a log-structured **file** system stores **data** permanently in the log: there is no other guir.cs.berkeley.edu/projects/osprelims/papers/lfsSOSP91.ps.gz

A High Performance Configurable Storage Manager - Biliris, Panagos (1995) (Correct) (10 citations)

Proc. IEEE 11th Int'l Conference on **Data** Engineering, March 1995, pages 35-43 A High www.research.att.com/~biliris/publications/papers/95_bess_de.ps

Ida - The Implementation Language - Landerl (Correct)

starting point for the development of the abstract **data** types and **data** structures (Ida modules) needed for 1 Introduction 3 2 Description 3 2.1 Header **Files** .

. 3 2.2 Source **Files** .

www.risc.uni-linz.ac.at/projects/basic/hpgp/reports/96-6/report-main.ps.gz

Parviz Doulai - And Helen (Correct)

"user-friendly" wordprocessors, spreadsheets and **databases**. It covers the ability to use a variety of made possible the use of a wide variety of media **files** available over the Internet. It is envisaged that user to login to another computer and transferring **files** from remote computers respectively. Archie www.uow.edu.au/pwrsysed/papers/aupec96b.ps

User-mode Per-process Name Spaces for the AP1000 File System - Bradley Broom (1993) (Correct)

System Specific Procedures, Such As How To Read **Data** From The **File**. The Glue **File** System The Glue **File** 1 User-mode Per-process Name Spaces for the AP1000 **File** System Bradley M. Broom Brad.Broom@anu.edu.au

per-process name spaces supported by the AP1000 **File** System are then described, as are some of the **file** cs.anu.edu.au/techreports/1993/TR-CS-93-08.ps.gz

Resource Constrained Dataflow Retiming Heuristics for VLIW .. - Jacome, de Veciana, Akuran (1999) (Correct) (4 citations)

Resource Constrained **Dataflow** Retiming Heuristics For Vliw Asips M. Jacome horizon.ece.utexas.edu/~jacome/Publications/CODES99.ps

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[Web Server Workload Characterization: The Search for.. - Arlitt, Williamson \(1996\) \(Correct\) \(254 citations\)](#)
 lookups at server 88% 2 File Types HTML and **image files** account for 90-100% of requests 3 Mean
bbcr.uwaterloo.ca/~brecht/courses/756/readings/web/characterization-TON97.ps

[Exploring Steganography: Seeing the Unseen - Johnson, Jajodia \(1998\) \(Correct\) \(27 citations\)](#)
 methods will not. In this article we discuss **image files** and how to hide information in them, and we
 See The "steganography: Some History" Sidebar. **Image Files To A Computer, An Image Is An Array Of**
isse.gmu.edu/~njohnson/pub/r2026.pdf

[Compressing Java Class Files - Pugh \(1999\) \(Correct\) \(25 citations\)](#)
 I also exclude any non-class files (e.g. PNG **image files**) from archive in performing my size
www.cs.umd.edu/~pugh/papers/pack.pdf

[Workload Characterization of a Web Proxy in a Cable Modem.. - Arlitt, Friedrich, Jin \(1999\) \(Correct\) \(22 citations\)](#)
 (87.7%| more than 73% of all requests are for **image files** a further 12% are for HTML files | the
 than just minimal subscriber interest. HTML and **image files** account for just over half of the content data
www.cs.utsa.edu/~sdykes/cs6543/papers/arlitt.pdf

[JPEG Compression Metric as a Quality Aware Image Transcoding - Chandra, Ellis \(1999\) \(Correct\) \(20 citations\)](#)
 JPEG File Interchange Format used for exchanging **image files** compressed using JPEG compression. JPEG
 KiloBytes) Photo Net ClipArt Starwars Cnn (c) **Image file** size distribution Figure 2: Workload
www.cs.cmu.edu/People/bumba/filing_cabinet/./papers/chandra-jpeg.pdf.gz

[WebGlimpse - Combining Browsing and Searching - Manber, Smith., Gopal \(1997\) \(Correct\) \(19 citations\)](#)
 The third match was in the "Space & Astronomy: **Image Files & Archives**" category and it apparently
webglimpse.org/pubs/webglimpse.pdf

[Illumination Problems in Computer Augmented Reality - Fournier \(1994\) \(Correct\) \(16 citations\)](#)
 the two images are computer generated, and the **image files** contains a depth map, in addition to the
www.cs.ubc.ca/labs/imager/tr/ps/fournier.1995c.ps.gz

[Extending Document Management Systems with.. - Dourish, Edwards, .. \(1999\) \(Correct\) \(15 citations\)](#)
 Whether managing email messages, spreadsheets, **image files** or textual material, the world of the desktop
www.parc.xerox.com/csl/members/petersen/tois-placeless.pdf

[Mining Web Access Logs Using Relational Competitive .. - Nasraoui, Frigui.. \(1999\) \(Correct\) \(15 citations\)](#)
 other than "GET" or (iii) record accesses to **image files** (gif, jpeg, etc. which are
viror.wiwi.uni-karlsruhe.de/webmining/bib/pdf/Nasraoui1999a.pdf

[The VuSystem: A Programming System for Compute-Intensive.. - Lindblad, Tennenhouse \(1996\) \(Correct\) \(15 citations\)](#)
 a serial line. ExternalSource Assembles separate **image files** into a sequence of video frames. Table 1:
 of video frames to be written to several **image files**. Table 2: VuSystem sinks. to files. More
ftp.tns.lcs.mit.edu/pub/papers/jsac96.ps.gz

[The Stanford Microarray Database - Sherlock, Hernandez-Boussard.. \(2001\) \(Correct\) \(13 citations\)](#)
linkage.rockefeller.edu/wli/microarray/sherlock01.pdf

[QOS Routing Via Multiple Paths Using Bandwidth Reservation - Rao, Batsell \(1998\) \(Correct\) \(13 citations\)](#)

from small robot control packets to large **image files**, and (b) data streams such as video-on-demand
avalon.epm.ornl.gov/~nrao/.tm13547.ps

Visualizing websites using a hierarchical table of .. - Nation, Plaisant, .. (1997) (Correct) (12 citations)
user might find a useful collection of audio or **image files** "hidden" down a series of links from the main
for the type field: h html or text files i **image files** a audio files d directory files (for directory
ftp.cs.umd.edu/pub/papers/papers/ncstrl.umcp/CS-TR-3791/CS-TR-3791.ps.Z

An Analysis of Web Server Performance - Iyengar, MacNair, Nguyen (1997) (Correct) (10 citations)
bytes transferred from Web sites results from **image files** purely for aesthetic purposes. Eliminating or
www.research.ibm.com/people/i/iyengar/globecom97.ps

Session-Based Overload Control in QoS-Aware Web Servers - Chen, Mohapatra (2002) (Correct) (9 citations)
instead of clients. The requests for embedded **image files** within an HTML page is an example of this
In current web server architecture, most of the **image files** are served by edge servers [2] or dedicated
www.ieee-infocom.org/2002/papers/374.pdf

Motion Compensated Compression of Computer Animation Frames - Guenter, Yun, Mersereau (1993) (Correct) (9 citations)
high speed secondary storage devices. Animation **image files** are typically stored off-line on removable
ftp.cc.gatech.edu/pub/gvu/tr/1993/93-03.ps.Z

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[Enhancing Competitiveness via a Public Fault Failure Data .. - Dolores Wallace National](#) (Correct)
 at their sites, and its output is an ASCII file, for which NIST provides a script to translate the
 then the user may also enter a specific identifier name SUM_MONEY in a text field. The user
 Competitiveness via a Public Fault & Failure Data Repository 1 Dolores R. Wallace National
hissa.ncsl.nist.gov/project/hase98.ps

[Hyperspeech: Navigating in Speech-Only Hypermedia - Barry Arons \(1991\)](#) (Correct) (21 citations)
 WORK Compared with traditional hypertext or multimedia systems, little work has been done in the area
 the response to each question in a different data file. Recordings were terminated using silence
 uses speech recognition to maneuver in a database of digitally recorded speech segments
www.media.mit.edu/people/barons/papers/Hyperspeech-Hypertext91.ps

[Memory Scalability in Constraint-Based Multimedia Style.. - Cumaranatunge, Munson \(1998\)](#) (Correct)
 27, 1997) Memory Scalability in Constraint-Based Multimedia Style Sheet Systems Terry Cumaranatunge and
 and the constraint data for a medium-sized source file can easily consume tens of megabytes of main
 syntax trees are very large and the constraint data for a medium-sized source file can easily consume
www.cs.uwm.edu/faculty/munson/pubs/ep98.ps

[Fundamental Concepts of Object Oriented Databases - Schewe, Thalheim \(1993\)](#) (Correct) (5 citations)
 object identity is usually encoded by object identifiers [1, 3, 34] Abstracting from the pure physical
 Fundamental Concepts of Object Oriented Databases Klaus-Dieter Schewe, Bernhard Thalheim
www.in.tu-clausthal.de/~schewe/public/actacyb.ps.gz

[ALSO: A Language for Extensible Multi-user Systems - Myers](#) (Correct)
 Now we will consider some differences. 3 Identifiers Most interpreted languages (e.g. Scheme,
 web servers, too. 5 Objects As the only mutable data type in ALSO, objects are very important for
ftp.pmg.lcs.mit.edu/pub/also/sw96.ps.gz

[The identification of objects and roles - Object.. - Wieringa, de Jonge \(1991\)](#) (Correct) (19 citations)
 The identification of objects and roles Object identifiers revisited -Roel Wieringa Wiebren de Jonge
 we investigate several concepts that are known in database research for some time but which are still
ftp.cs.vu.nl/pub/roelw/92-ObjectsRoles.ps.Z

[Change Detection in Hierarchically Structured Information - Chawathe, Rajaraman.. \(1996\)](#) (Correct)
 (46 citations)
 work in change management has dealt with flat-file and relational data we focus on hierarchically
 as a "move" operation in the delta. ffl Object Identifiers Not Assumed. For maximum generality we do not
 Abstract Detecting and representing changes to data is important for active databases, data
www.cs.umd.edu/users/chaw/pubs/tdiff-sigmod96.ps


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1 [File format for data exchange between graphic data bases](#)

Arthur G. Gross

 June 1978 **Proceedings of the 15th conference on Design automation**

 Full text available: pdf(544.92 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

A number of interactive graphics systems have been developed for cartographic applications. These systems have different capabilities and features, and little or no general provision has been made for transferring data base content between different systems or installations. A data base interchange file format has been designed for the Computer Assisted Mapping and Records Activities System, CAMRAS, sponsored by the American Public Works Association. The Association is evaluating the format ...

2 [Mobile data management: Mimic: raw activity shipping for file synchronization in mobile file systems](#)

Tae-Young Chang, Aravind Velayutham, Raghupathy Sivakumar

 June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04**

 Full text available: pdf(334.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we consider the problem of file synchronization when a mobile host shares files with a backbone file server in a network file system. Several *diff* schemes have been proposed to improve upon the transfer overheads of conventional file synchronization approaches which use full file transfer. These schemes compute the binary *diff* of the new file with respect to the old copy at the server and transfer the computed *diff* to the server for file-synchronization. However ...

Keywords: file synchronization, mobile file system, raw activity shipping

3 [Data conversion and restructuring: A methodology of application program analysis and conversion based on database semantics](#)

Stanley Y. W. Su, B. J. Liu

 August 1977 **Proceedings of the 1977 ACM SIGMOD international conference on Management of data**

 Full text available: pdf(1.53 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This research studies the effects of 1) association changes in database semantics, 2) file composition and decomposition, and 3) the conversion of one DBMS to another to the

application programs. A methodology of application program analysis and conversion based on database semantics is proposed. The semantics of both the source and target databases are described in terms of entity types and their associations. The semantics of application programs is represented by an "application structure" of ...

4 Lineage retrieval for scientific data processing: a survey

Rajendra Bose, James Frew

March 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 1

Full text available:  [pdf\(728.75 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Scientific research relies as much on the dissemination and exchange of data sets as on the publication of conclusions. Accurately tracking the lineage (origin and subsequent processing history) of scientific data sets is thus imperative for the complete documentation of scientific work. Researchers are effectively prevented from determining, preserving, or providing the lineage of the computational data products they use and create, however, because of the lack of a definitive model for lineage ...

Keywords: Data lineage, audit, data provenance, scientific data, scientific workflow

5 Distributed file systems: concepts and examples

Eliezer Levy, Abraham Silberschatz

December 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 4


Full text available:  [pdf\(5.33 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The purpose of a distributed file system (DFS) is to allow users of physically distributed computers to share data and storage resources by using a common file system. A typical configuration for a DFS is a collection of workstations and mainframes connected by a local area network (LAN). A DFS is implemented as part of the operating system of each of the connected computers. This paper establishes a viewpoint that emphasizes the dispersed structure and decentralization of both data and con ...

6 Performance evaluation of file organizations through modelling

Dennis G. Severance, Alan G. Merten

August 1972 **Proceedings of the ACM annual conference - Volume 2**

Full text available:  [pdf\(891.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


This paper contains an identification and description of the fundamental components of all file organizations. A restricted but important class of problems is defined and a generalized file organization for these problems is constructed. A specific design problem is defined in terms of a logical data set, a physical environment, and a projected level of file organization activity. For a given design problem, a simulation model is used to generate a spectrum of alternative file organizations ...

Keywords: Access methods, Data management, File design, File organization, Modelling, Performance evaluation, Searching, Simulation

7 Draft Proposed: American National Standard—Graphical Kernel System

Technical Committee X3H3 - Computer Graphics

February 1984 **ACM SIGGRAPH Computer Graphics**, Volume 18 Issue SI

Full text available:  [pdf\(16.07 MB\)](#) Additional Information: [full citation](#)

8 Improved interpretation of UNIX-like file names embedded in data

Douglas W. Jones

August 1984 **Communications of the ACM**, Volume 27 Issue 8

Full text available:  [pdf\(427.31 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

When the data processed by a program span several files, the common practice of including file names as data in some of the files leads to difficulties in moving or sharing that data. In systems using tree structured directories, this problem can be solved by making a syntactic distinction between absolute and relative file names.

Keywords: UNIX, directory management, file name interpretation, file systems, macro parameters, programming environments, scope rules, text insertion

9 CODAS: a data display system

R. H. Day, M. K. Mansfield, M. E. Ellis

February 1969 **Communications of the ACM**, Volume 12 Issue 2

Full text available:  [pdf\(628.54 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

CODAS, a Customer Oriented Data System, is a user-oriented data retrieval and display system. The command language of the system provides the user with an easy means for specifying data retrieval and display requests. Data is displayed as tables and graphs produced in a format ready for publication. In this paper the statements of the request language and the general system design are described.

Keywords: command languages, data display, graphic display, information retrieval, management data processing, report program generation

10 Digital libraries and cyberinfrastructure track: use of digital libraries in education:

Enhancing access to research data: the challenge of crystallography

Monica Duke, Michael Day, Rachel Heery, Leslie A. Carr, Simon J. Coles

June 2005 **Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries**

Full text available:  [pdf\(381.24 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes an ongoing collaborative effort across digital library and scientific communities in the UK to improve access to research data. A prototype demonstrator service supporting the discovery and retrieval of detailed results of crystallography experiments has been deployed within an Open Archives digital library service model. Early challenges include the understanding of requirements in this specialized area of chemistry and reaching consensus on the design of a metadata model a ...

Keywords: Eprints.org, OAI-PMH, crystallography, dublin core, institutional repositories, metadata, scholarly communication

11 CODASYL Data-Base Management Systems

Robert W. Taylor, Randall L. Frank

January 1976 **ACM Computing Surveys (CSUR)**, Volume 8 Issue 1

Full text available:  [pdf\(2.82 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12

Entity relationship models as a tool for data analysis and design

Carol Chrisman, Barbara Beccue

February 1986 **ACM SIGCSE Bulletin , Proceedings of the seventeenth SIGCSE technical symposium on Computer science education**, Volume 18 Issue 1

Full text available:  [pdf\(665.87 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many tools have been developed to aid in the systems analysis and design process. These same tools are used in teaching to help students better understand the process. This paper will discuss ways in which one tool, Entity Relationship (ER) models, can be used in teaching data analysis and design. The role of ER models in database design will be reviewed. ER models will be considered as a framework for also dealing with file design. An example of an ER model will be given with a description ...

13 Identifier Search Mechanisms: A Survey and Generalized Model

Dennis G. Severance

September 1974 **ACM Computing Surveys (CSUR)**, Volume 6 Issue 3

Full text available:  [pdf\(1.35 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 The Zebra striped network file system

John H. Hartman, John K. Ousterhout

August 1995 **ACM Transactions on Computer Systems (TOCS)**, Volume 13 Issue 3

Full text available:  [pdf\(2.76 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Zebra is a network file system that increases throughput by striping the file data across multiple servers. Rather than striping each file separately, Zebra forms all the new data from each client into a single stream, which it then stripes using an approach similar to a log-structured file system. This provides high performance for writes of small files as well as for reads and writes of large files. Zebra also writes parity information in each stripe in the style of RAID disk arrays; this ...

Keywords: RAID, log-based striping, log-structured file system, parity computation

15 A survey of peer-to-peer content distribution technologies

Stephanos Androutsellis-Theotokis, Diomidis Spinellis

December 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 4

Full text available:  [pdf\(517.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Distributed computer architectures labeled "peer-to-peer" are designed for the sharing of computer resources (content, storage, CPU cycles) by direct exchange, rather than requiring the intermediation or support of a centralized server or authority. Peer-to-peer architectures are characterized by their ability to adapt to failures and accommodate transient populations of nodes while maintaining acceptable connectivity and performance. Content distribution is an important peer-to-peer application ...

Keywords: Content distribution, DHT, DOLR, grid computing, p2p, peer-to-peer

16 Beyond ASIS: program data bases and tool-oriented queries

Janusz Laski, William Stanley, Pawel Podgorski

September 2001 **ACM SIGAda Ada Letters , Proceedings of the 2001 annual ACM SIGAda international conference on Ada**, Volume XXI Issue 4

Full text available:  [pdf\(49.44 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The availability of higher level ASIS libraries is of prime importance for the real success of ASIS technology to facilitate the development of Software Analysis and Testing (SAT) tools. This is due to the fact that ASIS queries are expressed in terms of the syntax of an immensely complex language and do not directly support the objectives of a tool builder. In this paper we discuss two plausible sets of higher levels, tool-oriented queries about the Program Under Analysis (PUA), which ideally d ...

Keywords: ASIS, Ada, Software, dynamic analysis, program data bases, program dependencies, queries, static analysis, testing, verification

17 Astrolabe: A robust and scalable technology for distributed system monitoring, management, and data mining

Robbert Van Renesse, Kenneth P. Birman, Werner Vogels

May 2003 **ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 2

Full text available:  [pdf\(341.62 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Scalable management and self-organizational capabilities are emerging as central requirements for a generation of large-scale, highly dynamic, distributed applications. We have developed an entirely new distributed information management system called Astrolabe. Astrolabe collects large-scale system state, permitting rapid updates and providing on-the-fly attribute aggregation. This latter capability permits an application to locate a resource, and also offers a scalable way to track sys ...

Keywords: Aggregation, epidemic protocols, failure detection, gossip, membership, publish-subscribe, scalability

18 HyperFile: a data and query model for documents

Chris Clifton, Hector Garcia-Molina, David Bloom

January 1995 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 4 Issue 1

Full text available:  [pdf\(2.04 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Non-quantitative information such as documents and pictures pose interesting new problems in the database world. Traditional data models and query languages do not provide appropriate support for this information. Such data are typically stored in file systems, which do not provide the security, integrity, or query features of database management systems. The hypertext model has emerged as a good interface to this information; however, *finding* information using hypertext browsing does not ...

Keywords: hypertext, indexing, user interface

19 A coherent distributed file cache with directory write-behind

Timothy Mann, Andrew Birrell, Andy Hisgen, Charles Jerian, Garret Swart

May 1994 **ACM Transactions on Computer Systems (TOCS)**, Volume 12 Issue 2

Full text available:  [pdf\(3.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Extensive caching is a key feature of the Echo distributed file system. Echo client machines maintain coherent caches of file and directory data and properties, with write-behind (delayed write-back) of all cached information. Echo specifies ordering constraints on this write-behind, enabling applications to store and maintain consistent data structures in the file system even when crashes or network faults prevent some writes from being completed. In this paper we describe ...

Keywords: coherence, file caching, write-behind

20 A Metadata Catalog Service for Data Intensive Applications

Gurmeet Singh, Shishir Bharathi, Ann Chervenak, Ewa Deelman, Carl Kesselman, Mary Manohar, Sonal Patil, Laura Pearlman

November 2003 **Proceedings of the 2003 ACM/IEEE conference on Supercomputing**

Full text available:  [pdf\(178.25 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Advances in computational, storage and network technologies as well as middle ware such as the Globus Toolkit allow scientists to expand the sophistication and scope of data-intensive applications. These applications produce and analyze terabytes and petabytes of data that are distributed in millions of files or objects. To manage these large data sets efficiently, metadata or descriptive information about the data needs to be managed. There are various types of metadata, and it is likely that a ...

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WEST Search History

DATE: Wednesday, July 20, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
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<input type="checkbox"/>	L44	(file extensions) same (search engines)	14
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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L2	(search\$ and extract\$ and file\$1 and data\$).ti.	63
<input type="checkbox"/>	L1	(file\$1 near5 id\$) same (categor\$3 near5 extension\$1)	1

END OF SEARCH HISTORY